

# BUS Cables

## HMCB800 drag chain



PUR



### Type

#### Cable structure

Inner conductor diameter 1:  
Inner conductor diameter 2:  
Core insulation 1:  
Core insulation 2:  
Core colours 1:  
Core colours 2:  
Stranding element 1:  
Separator:  
Shielding 1:  
Total shielding:  
Outer sheath material:  
Cable external diameter:  
Outer sheath colour:

### Drag chain applications

#### 2x2x0,20qmm + 1x2x0,38qmm

Copper, bare (AWG 25/19)  
Copper, tinned (AWG 22/19)  
PE  
PE  
gn, ye, pk, bu  
rd, bk  
Double core  
-  
-  
AL-Foil + braid  
PUR  
app. 6,95 mm ± 0,15 mm  
Green similar to RAL 6018

### Electrical data

Characteristic impedance: 100 Ohm ± 15 Ohm at 1 to 100 MHz  
Conductor resistance, max.: 100 Ohm/km  
Insulation resistance, min.: 1 GOhm x km  
Loop resistance: 270 Ohm/km max.  
Mutual capacitance: 50 nF/km nom.  
Test voltage: 0,5 kV

### Typical values

Frequency (MHz)	10	16	62,5	100
Attenuation (db/100m)	8,0	10,0	20,0	27,0
Next (db)	47,0	44,0	35,0	32,0
ACR (db)	39,0	34,0	15,0	5,0

### Technical data

Weight: app. 61 kg/km  
bending radius, repeated: 75 mm  
Operating temperature range min.: -20°C  
Operating temperature range max.: +60°C  
Caloric load, approx. value: 0,90 MJ/m  
Copper weight: 37,00 kg/km

### Norms

Applicable standards: Halogen-free acc. to 60754-1  
Flame-retardant acc. to IEC 60332-1-2  
UL Style: AWM Style 20236 AWM I/II A/B 80°C 30V FT1  
CSA standard: CSA FT1

### Application

HELUKABEL® HMCB800W is designed for the most demanding continuous moving requirements in cable carriers and ranges up to 70 m without repeater. This cable is ideal solution in Siemens systems.  
Typical plugs are RJ45 Industrial IP20 Siemens or Y-Con RJ45 Yamaichi or round M-Connectors from Molex.

### Part no.

**804767**, HMCB800

Dimensions and specifications may be changed without prior notice.

\* Drive Cliq is registered trademark from Siemens AG.

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